



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/529,212

03/25/2005

Herve Cunin

032326-294

8825

21839

7590

04/06/2009

BUCHANAN, INGERSOLL & ROONEY PC
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404

EXAMINER

KOYAMA, KUMIKO C

ART UNIT

PAPER NUMBER

2887

NOTIFICATION DATE

DELIVERY MODE

04/06/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com

Office Action Summary	Application No. 10/529,212	Applicant(s) CUNIN ET AL.	
	Examiner KUMIKO C. KOYAMA	Art Unit 2887	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 March 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 26-41 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 26-41 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Amendment received on March 02, 2009 has been acknowledged.

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 02, 2009 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 26-31 and 38-41 are rejected under 35 U.S.C. 102(e) as being anticipated by Yap et al (US Patent Application Publication No. 2003/0066893 A1).

Re claims 26, 31 and 41: Yap discloses a reader 4401 that is configured for the reading of the card 10. The reader 4401 is formed of a housing 4402 incorporating a card receptacle 4404 that includes an access opening 4410 through which a smart card 10 is insertable (Paragraph

Art Unit: 2887

[0144]). Such disclosure teaches an opening that defines a functional position for communicating with the smart device when the smart device is received in the opening. Yap discloses contacts 4407 extend from a connector block mounted upon a printed circuit board positioned between the base section and support surface by way of the two mountings. Arranged on an opposite side of the PCB to the connector block is electronic circuitry, electrically connected to the connectors 4407 and the touch sensitive membrane and configured for reading data from the card 10 (Paragraph [0150], lines 1-10). Yap discloses that the exposed contacts and associated circuitry of the reader are configured to read the stored data associated with the control indicia from the memory chip, either automatically upon insertion of the smart card into the control template receptacle, or selectively in response to a signal from the remote reader. This signal can, for example, be transmitted to the smart card via the exposed contacts and data contacts (Paragraph [0085]). Such connectors 4407 are first connecting means for connecting with the smart device when the smart device is located at the functional position, so as to send data to the smart device. Yap discloses Infra-red (IR) communications that are implemented using two circuits connected to the microcontroller 44, an IR transmitter 49 for IR transmission and an IR receiver 40 for IR reception (Paragraph [0155]). Such disclosure teaches second connecting means for transmitting the received data to the terminal device. Yap discloses a viewing area 4406 that preferably has the same dimensions as the upper face 16 of the card 10 such that the upper face 16 is, for all intents and purposes, fully visible within the viewing area 4406 through the transparent pressure sensitive membrane 4408 (Paragraph [0146], lines 8-12). Such disclosure teaches a transparent portion for allowing at least a portion of the smart device to be visible therethrough when the smart device located at the functional position and connected to the first connecting means.

Art Unit: 2887

Re claim 27: As shown in Fig. 10, Yap shows the microcontroller 44 interfaces between the smart device at component 42 and the terminal device via the receiver 40/transmitter 49, and the input connector in the smart card I/F 42 and the microcontroller 44 forms a component set as reader 1.

Re claim 28: As shown in Fig. 43 and Fig. 45, Yap shows a pair of longitudinal slides 4404.

Re claims 29 and 30: As shown in Fig. 47 (a), Yap shows a pair of arms near reference number 4811 that connects the pair of longitudinal slides to the component set and forming a V shape.

Re claims 38-40: Yap discloses a reader 4401 that is configured for the reading of the card 10. The reader 4401 is formed of a housing 4402 incorporating a card receptacle 4404 that includes an access opening 4410 through which a smart card 10 is insertable (Paragraph [0144]). Yap discloses contacts 4407 extend from a connector block mounted upon a printed circuit board positioned between the base section and support surface by way of the two mountings. Arranged on an opposite side of the PCB to the connector block is electronic circuitry, electrically connected to the connectors 4407 and the touch sensitive membrane and configured for reading data from the card 10 (Paragraph [0150], lines 1-10). Yap discloses that the exposed contacts and associated circuitry of the reader are configured to read the stored data associated with the control indicia from the memory chip, either automatically upon insertion of the smart card into the control template receptacle, or selectively in response to a signal from the remote reader. This signal can, for example, be transmitted to the smart card via the exposed contacts and data contacts (Paragraph [0085]). Yap discloses Infra-red (IR) communications that are implemented

Art Unit: 2887

using two circuits connected to the microcontroller 44, an IR transmitter 49 for IR transmission and an IR receiver 40 for IR reception (Paragraph [0155]). Such disclosure teaches a functional position for receiving the chip card so as to establish a two way communication link between the chip card and the external terminal device. Yap discloses a viewing area 4406 that preferably has the same dimensions as the upper face 16 of the card 10 such that the upper face 16 is, for all intents and purposes, fully visible within the viewing area 4406 through the transparent pressure sensitive membrane 4408 (Paragraph [0146], lines 8-12). Such disclosure teaches a part at least partially covering the functional position, wherein the part comprises a transparent or translucent material.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 32-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yap in view of Graczynski et al (US 4,492,855).

Re claims 32 and 37: Yap discloses a reader 4401 that is configured for the reading of the card 10. The reader 4401 is formed of a housing 4402 incorporating a card receptacle 4404 that includes an access opening 4410 through which a smart card 10 is insertable (Paragraph [0144]). Such disclosure teaches an opening that defines a functional position for communicating with the smart device when the smart device is received in the opening. Yap discloses contacts 4407

Art Unit: 2887

extend from a connector block mounted upon a printed circuit board positioned between the base section and support surface by way of the two mountings. Arranged on an opposite side of the PCB to the connector block is electronic circuitry, electrically connected to the connectors 4407 and the touch sensitive membrane and configured for reading data from the card 10 (Paragraph [0150], lines 1-10). Such connectors 4407 are input connecting means for connecting with the smart device when the smart device is located at the functional position, so as to receive data from the smart device. Yap discloses Infra-red (IR) communications that are implemented using two circuits connected to the microcontroller 44, an IR transmitter 49 for IR transmission and an IR receiver 40 for IR reception (Paragraph [0155]). Such disclosure teaches an output connecting means for transmitting the received data to the terminal device. Yap discloses a viewing area 4406 that preferably has the same dimensions as the upper face 16 of the card 10 such that the upper face 16 is, for all intents and purposes, fully visible within the viewing area 4406 through the transparent pressure sensitive membrane 4408 (Paragraph [0146], lines 8-12). As shown in Fig. 47 (a)-(c), the bottom face of the card is also visible as there is an opening 4410. Such disclosures teaches a transparent portion for allowing at least apportion of the opposed top face of the card and at least a portion of the opposed bottom face of the card to be visible therethrough when the card is located at the functional position and connected to the input connector.

Yap fails to teach that the transparent or translucent portion allows at least a portion of the opposed bottom face of the card to be visible.

Graczynski discloses that a clear light transparent plastic film 51 is placed over the top edges of the housing 40 and a comparable light transparent film 52 is placed over the lower

Art Unit: 2887

surface of housing 40, thereby providing a chamber defined by the two films and housing 40 (col 3, line 66-col 4, line 3).

Therefore, it would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to integrate the teachings of Graczynski to the teachings of Yap such that both sides of the card can be visible to ensure that secure and proper connection is made between the card and the card reader, which ensures that proper data transmission can be made.

Re claim 33: As shown in Fig. 10, Yap shows the microcontroller 44 interfaces between the smart device at component 42 and the terminal device via the receiver 40/transmitter 49, and the input connector in the smart card I/F 42 and the microcontroller 44 forms a component set as reader 1.

Re claim 34: As shown in Fig. 43 and Fig. 45, Yap shows a pair of longitudinal slides 4404.

Re claims 35 and 36: As shown in Fig. 47 (a), Yap shows a pair of arms near reference number 4811 that connects the pair of longitudinal slides to the component set and forming a V shape.

Response to Arguments

6. Applicant's arguments with respect to claims 26-41 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KUMIKO C. KOYAMA whose telephone number is (571)272-2394. The examiner can normally be reached on Monday-Friday 8am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Paik can be reached on 571-272-2404. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kumiko C. Koyama/
Primary Examiner, Art Unit 2887
March 30, 2009